

## **PRE-EMERGENT SOIL APPLICATIONS - SANDY LOAM**

### General Information

#### PRODUCT INFORMATION

Broadhead Herbicide is for selective control of susceptible grasses and broadleaf weeds in dry seeded and water-seeded rice production.

Broadhead Herbicide is to be mixed with adjuvants and other herbicides applied to rice.

Weed control is optimized when the product is applied to actively growing weeds up to 4 inches in height under favorable environmental conditions. Extremes in environmental conditions such as temperature, humidity; and soil conditions such as soil type and moisture; and cultural practices may affect the activity of Broadhead Herbicide. When Broadhead Herbicide is applied to the soil, soil moisture is essential, as well as for residual activity for foliar applications. Do not let fields to become dry. If fields do become dry, flush irrigate fields to reactivate Broadhead Herbicide before weeds are 1 inch tall.

#### Crop Tolerance

Rice is tolerant to Broadhead Herbicide when it is used according to use directions in typical growing conditions. Post emergent applications should not be made within 6 to 8 hours of either rain or when heavy dew is present on the crop. Do not apply Broadhead Herbicide until rice fields are drained and the rice is at the 2 leaf stage in pinpoint or water seeded systems. If a heavy rain occurs after applying Broadhead Herbicide drain the excess water from the rice field to avoid possible rice injury. Some herbicidal symptoms may appear when using certain spray tank additives or under certain environmental conditions, however, rice usually recovers without significant stand or yield losses.

#### Tank Mixtures

Broadhead Herbicide may be tank-mixed with other herbicides to control weeds not listed on the label or enhance residual and control of labeled weeds. Read and follow all manufacturers' label recommendations for the companion herbicide

except for specific recommendations on the label.

### Tank Mix Compatibility Testing

When tank mixing other materials, a compatibility test (jar test) using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately one-half (1/2) hour. If the mixture forms precipitates or changes viscosity, it is not compatible and the tank mix combination should not be used.

### Application Rates and Timing

The following directions for the selection of Broadhead Herbicide application rates are critical to achieve maximum performance and to ensure maximum crop safety. The user is required to read and follow the specific Broadhead Herbicide use directions and restrictions as defined in the label. This response is governed by the Broadhead Herbicide application rate and the inherent crop sensitivity. The use directions have been designed to minimize the risk of adverse crop response while maintaining optimum weed control.

Apply Broadhead Herbicide to dry-seeded rice by ground or air at preemergence or post-emergence pre-flood. Broadhead Herbicide may be used pre-emergence, delayed pre-emergence prior to crop emergence or early post-emergence after the rice reaches the two leaf stage in drilled-seeded rice systems. Broadhead Herbicide applications are restricted to post-emergence after rice reaches its two leaf stage in water-seeded rice systems.

Do not apply when wind speed favors drift beyond the area intended for treatment or when environmental conditions exist for temperature inversions. Follow directions in Spray Drift Management section to minimize drift during applications.

### Ground Application

Utilize a boom and nozzle sprayer equipped with the appropriate nozzles, spray tips and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets to avoid spray drift or inadequate foliar and/or soil coverage.

Apply a minimum of 10 gallons of finished spray per acre by ground. Be aware that overlaps and slower ground speeds while starting, stopping or turning while spraying may result in excessive application and subsequent crop response.

### Aerial Application

Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets. Apply sufficient spray volume to achieve adequate coverage. Apply a minimum of 5 gallons of finished spray per acre. Higher spray volumes may help reduce spray drift and increase spray coverage.

### WEEDS LIST

When Broadhead Herbicide is applied in accordance with the use directions on the label, Broadhead Herbicide applied alone or in recommended tank mixtures will provide control of the following weeds. Refer to the specific crop section.

\*for control of grasses and sedges not listed above (such as, panicum spp. and sprangletop spp.), tank mix with the appropriate post-emergence herbicide. Refer to the Tank Mix section of the label.

### Restrictions

Preharvest Interval (PHI): Do not apply Broadhead Herbicide 60 days before harvest.

Do not apply in California and Florida.

Maximum Seasonal Use Rate: Do not apply more than 12.1 oz (0.53 lb ai/a) of Broadhead Herbicide per acre per season.

When tank mixing or applications containing Quinclorac, do not apply more than 0.5 lb ai/a of Quinclorac products per season.

When tank mixing or applications containing Carfentrazone, do not apply more than 0.138 lb ai/a of Carfentrazone products per season.

Do not apply Broadhead Herbicide to rice that is heading.

Do not use rice straw or processing by-products (such as chaff, hulls, etc.) as soil amendments or mulch for high-value crops such as bedding stock, vegetable

transplants, or ornamental and fruit trees.

Do not use treated rice fields for the aquaculture of edible fish and crustaceans (crayfish).

Do not use water from rice cultivation after a Broadhead Herbicide application to irrigate any crop other than rice.

Do not use Broadhead Herbicide to formulate or reformulate any other pesticide product.

Do not apply this product through any type of irrigation system.

State Specific Restrictions: In Arkansas, applications of Broadhead Herbicide within the area of one-mile west of Highway #1 to one-mile east of Highway 163 from the Craighead/Poinsett County line to the Cross/Poinsett County line is prohibited. As well, aerial applications in the area of Poinsett County one-mile west of Highway #1 to two-miles west of Highway #1 and one-mile east of Highway # 163 to Ditch # 10, from the Craighead/Poinsett County line to the Cross/Poinsett County line are prohibited.

Check for additional State restrictions in Arkansas by contacting the Arkansas Plant Board or a representative for specific instructions for applying Broadhead Herbicide in Arkansas.

## Limitations, Restrictions, and Exceptions

### Pre-emergent Soil Applications

Apply Broadhead Herbicide with appropriate burndown herbicide in conservation tillage systems where weeds are present. Broadhead Herbicide can be applied to the soils surface before, during or after planting but before emergence of rice in dry-seeded rice culture. Moist soil is required for activation of Broadhead Herbicide. If fields become dry weed control will diminish. Keep fields moist by regular flush irrigating until permanent flood. If fields do become dry, flush irrigating fields may restore weed control to weeds that are 1 inch or less tall. Soil type and texture also affect performance of Broadhead Herbicide. Refer to the "Pre-emergence application rates per soil type in dry-seeded rice culture" Table for proper use rates by soil type and texture.

Do not use pre-emergence in water-seeded rice systems.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

60 days

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

12 hours

Soils

[Sandy Loam](#)

Tillages

[Conservation](#)

Timings

[At-Plant](#)

[Preemergence \(Crop\)](#)

[Preplant](#)

[Postplant](#)